TABLE M.5.6.1.2–2.—*Potential Source Terms for Radiological Accident Scenarios*

Accident	Frequency (per year)	Source Term or Hazard (No Action Alternative)	Source Term or Hazard (Proposed Action)
Earthquake during No Action Alternative operations	2×10^{-8}	500 Ci tritium plus activated gases and particulates	500 Ci tritium plus activated gases and particulates
Earthquake during depleted uranium experiment	2×10^{-9}	0.005 g depleted uranium plus 500 Ci tritium plus activated gases and particulates	0.1 g depleted uranium plus 500 Ci tritium plus fission products plus activated gases and particulates
Earthquake during highly enriched uranium experiment	2×10^{-9}	Not applicable	0.1 g highly enriched uranium plus 500 Ci tritium plus fission products plus activated gases and particulates
Earthquake during thorium experiment	2×10^{-9}	Not applicable	0.45 g thorium-232 plus 500 Ci tritium plus fission products plus activated gases and particulates
Earthquake during tracer experiment	2×10^{-9}	Not applicable	0.031 Ci iodine-124 0.032 Ci iodine-125 0.075 Ci iodine-126 500 Ci tritium plus activated gases and particulates
Earthquake during plutonium without yield experiment	2×10^{-9}	Not applicable	0.003 g weapons grade plutonium plus 500 Ci tritium plus activated gases and particulates
Earthquake during plutonium with yield experiment	2×10^{-9}	Not applicable	0.001 g weapons grade plutonium plus 500 Ci tritium plus fission products, plus activation gases and particulates

Source: LLNL 2003d.
g = grams; Ci = curies.